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This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (currently amended): An electrical connector portion, comprising:  
an insulating substrate having a first major face and an oppositely disposed second major face;  
a plurality of non-recessed apertures extending through the insulating substrate from the first major face to the second major face;  
a plurality of elongated electrically conducting members extending through the respective non-recessed apertures;  
a plurality of insulating posts connected to the first major face of the insulating substrate; and  
a plurality of reflowable electrical conductors disposed adjacent the first major face and arranged such that respective ones of the plurality of insulating posts contact each of the plurality of reflowable electrical conductors at four separate locations on the respective reflowable electrical conductor so as to position the respective reflowable electrical conductor;  
wherein each elongated electrical conductor extends into a respective reflowable electrical conductor.

Claim 2 (original): The electrical connector portion of claim 1 wherein the elongated electrical conductors extend substantially beyond the first major face and the second major face.

Claim 3 (currently amended): The electrical connector portion of claim 1 wherein the non-recessed apertures are substantially ~~right circular~~ cylindrical in shape.

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Claim 4 (currently amended): The electrical connector portion of claim 1 wherein the non-recessed apertures are rectangular slots.

Claim 5 (currently amended): The electrical connector portion of claim 1 wherein the further comprising a plurality of insulating posts are independent of the insulating substrate and are attached to and extend extending from the first major face of the insulating substrate.

Claim 6 (currently amended): The electrical connector portion of claim 5 1 wherein the length each post is greater than the diameter of an adjacent solder ball the four separate locations on the respective reflowable electrical conductor at which respective ones of the plurality of insulating posts contact the respective reflowable electrical conductor include two pairs of substantially diametrically opposed locations.

Claim 7 (currently amended): The electrical connector portion of claim 5 1 wherein the length of each post is less than the diameter of an adjacent solder ball.

Claim 8 (currently amended): The electrical connector portion of claim 5 1 wherein the posts are substantially rectangular in cross-section and wherein each post further comprises at least one flattened conical contact surface formed thereon.

Claim 9 (currently amended): The electrical connector portion of claim 5 1 wherein each post further comprises four flattened conical contact surfaces and wherein the flattened conical contact surfaces are arrayed in a rectangular orientation.

Claim 10 (original): The electrical connector portion of claim 1 wherein the elongated electrical conductors are adapted to be matingly engaged by the elongated conductors of a second electrical connector portion positioned adjacent the second

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major face.

Claim 11 (original): The connector of claim 1 wherein the reflowable electrical conductors are adapted to fusingly engage an electrical device positioned adjacent the first major face.

Claim 12 (currently amended): An electrical connection device, comprising:  
an a first insulating plate, having a first plate first face for engaging a first device and a first plate second face;  
a second insulating plate, having a second plate first face for engaging a second device and a second plate second face for removably engaging a the first plate second face;  
a plurality of apertures formed through each respective insulating plate;  
a plurality of insulating posts ~~formed on~~ fixed to and extending upwardly from each respective first face;  
a plurality of fusible electrical conductors positioned on each respective first face; and  
a plurality of electrically conducting pins extending from each respective second face through the apertures;  
wherein each respective pin extends into a respective fusible electrical conductor and respective ones of the plurality of insulating posts contact each of the plurality of fusible electrical conductors at two pairs of substantially diametrically opposed locations on the respective fusible electrical conductor so as to position the respective fusible electrical conductor.

Claim 13 (currently amended): The device of claim 12 wherein the apertures are positioned in an array and wherein the plurality of insulating posts are arrayed around the apertures.

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Claim 14 (currently amended): The device of claim 12 wherein the posts are ~~arrayed to form receptacles for holding~~ arranged such that four of the posts contact each of the fusible electrical conductors ~~the fusible electrical conductors substantially over the apertures.~~

Claim 15 (original): The device of claim 12 wherein the posts are substantially rectangular in cross-section and wherein each post further comprises at least one flattened conical contact surface formed thereon.

Claim 16 (original): The device of claim 15 wherein each post further comprises four flattened conical contact surfaces and wherein the flattened conical contact surfaces are arrayed in a rectangular orientation.

Claim 17 (original): The device of claim 12 further comprising a first device fusingly engaged to the first plate first face and a second device fusingly engaged to the second plate first face, wherein the first plate second face is adapted to removably matingly engage the second plate second face, and wherein the first and second devices are in electrical communication through the matingly engaged first and second insulating plates.

Claim 18 (currently amended): An electrical connector apparatus, comprising:

- a first electrically insulating connector body having a first substantially planar major side and a second, oppositely disposed substantially planar major side;
- a second electrically insulating connector body having a first substantially planar major side and a second, oppositely disposed substantially planar major side;
- a fusing interface formed on each respective first major side;
- a non-fusing interface formed on each respective second major side;

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a plurality of non-recessed apertures formed through the respective electrically insulating connector bodies;

a plurality of fusible electrical conductors disposed at each respective using interface;

a plurality of insulating posts extending from each respective first major side; and

a plurality of electrically conducting members extending through the respective non-recessed apertures;

wherein each respective fusing interface is adapted to be fusingly connected to a respective electrical device;

wherein each respective non-fusing interface is adapted to be removably connected to another non-fusing interface;

wherein the insulating posts are arranged such that respective ones of the plurality of insulating posts contact each of the plurality of fusible electrical conductors at four separate locations on the respective fusible electrical conductor so as to position the respective fusible electrical conductor; and

wherein a first electrical device fusingly connected to the first electrically insulating connector body is adapted to be put into electrical communication with a second electrical device fusingly connected to the second electrically insulating connector body through mating connection of the respective non-fusing interfaces.

Claim 19 (currently amended): The device of claim 18 wherein ~~each respective fusing interface further comprises a plurality of~~ the plurality of fusible electrical conductors are solder balls and wherein each electrically conducting member extends through a respective non-recessed aperture into a respective solder ball.

Claim 20 (currently amended): The device of claim 18 ~~further comprising a plurality of insulating posts extending from the first major side,~~ wherein the insulating

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posts extend a post distance away from the first major surface, wherein the fusing interface has a fusing interface thickness, and wherein the post distance is substantially equal to the fusing interface thickness.

Claim 21 (currently amended): A method for producing an electrical connector, comprising the steps of:

- a) providing an insulated plate having a first planar side and a second, oppositely disposed planar side and having a plurality of non-recessed apertures formed therethrough and a plurality of insulating posts disposed on the insulated plate;
- b) extending a plurality of electrically conducting pins through the respective apertures;
- c) ~~impaling~~ positioning a solder ball between the plurality of insulating posts on each respective pin extending from the second planar side such that respective ones of the plurality of insulating posts contact the solder ball at four separate locations thereon so as to position the solder ball and such that each pin penetrates is located to be connected to the surface of a respective solder ball only once;
- d) removably connecting a first electronic device to the pins on the first planar side; and
- e) fusingly connecting a second electronic device to the second planar side.

Claim 22 (currently amended): The method of claim 21 wherein the ~~second electronic device is an insulated plate having a first planar side and a second, oppositely disposed planar side and having a plurality of non-recessed apertures formed therethrough through which electrically conducting pins extend~~ step of positioning the solder ball includes disposing the solder ball between four of the insulating posts such that the solder ball is contacted by only the four of the insulating posts.